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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/807,357	03/24/2004	Yasuaki Hamada	119223	5383
25944	7590 05/03/2006		EXAMINER	
OLIFF & BERRIDGE, PLC			NGUYEN, THINH T	
P.O. BOX 199 ALEXANDR	928 IA, VA 22320		ART UNIT PAPER NUMBER	
			2818	
			DATE MAILED: 05/03/200	6

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/807,357	HAMADA ET AL.	
Office Action Summary	Examiner	Art Unit	
	Thinh T. Nguyen	2818	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet w	ith the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period of the period for reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNI 36(a). In no event, however, may a will apply and will expire SIX (6) MON e, cause the application to become Al	CATION. reply be timely filed ITHS from the mailing date of this communi BANDONED (35 U.S.C. § 133).	
Status			
1) ☐ Responsive to communication(s) filed on <u>03 M</u> 2a) ☐ This action is FINAL . 2b) ☐ This 3) ☐ Since this application is in condition for allowa closed in accordance with the practice under <u>B</u>	s action is non-final. nce except for formal mat		its is
Disposition of Claims			
4) Claim(s) 1-16 is/are pending in the application 4a) Of the above claim(s) 7-13 is/are withdrawn 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-6,14-16 are subject to restriction are Application Papers	n from consideration. nd/or election requirement		
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc		by the Evaminer	
Applicant may not request that any objection to the	•		
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	tion is required if the drawing	(s) is objected to. See 37 CFR 1.1	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Burea * See the attached detailed Office action for a list	ts have been received. ts have been received in A rity documents have beer u (PCT Rule 17.2(a)).	Application No received in this National Stag	e
Attachment(s)			
1) Notice of References Cited (PTO-892)		Summary (PTO-413)	
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 		s)/Mail Date Informal Patent Application (PTO-152) 	•
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DETAILED OFFICE ACTION

Election/Restriction

1 Applicant's election with traverse of claims 1-6 and 14-16 in the communication with the Office on 3/3/2006 is acknowledged.

Because Applicant did not distinctly and specifically point out the supposed error in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)). Applicants have the right to file a divisional, continuation or continuation-in-part application covering the subject matter of the non-elected claims.

The traversal is on the ground(s) that see the election paper. This is not found persuasive for the following reason:

A/ Applicant has not proved that the alleged materially different method than claim to produced the device of claim 1 is not feasible.

B/ moreover, because the fields of search for method and device claims are NOT coextensive and the determinations of patentability of method and device claims are different, that is process limitations and device limitations are given weight differently in determining the patentability of the claimed inventions. Also, the strategies for doing text searching of the device claims and method claims are different. Thus, separate searches are required.

The requirement is still deemed proper and is therefore made FINAL and nonelected claims 7-13 are withdrawn from consideration. Application/Control Number: 10/807,357 Page 3

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2. claims 1-6 and 14-16 are pending in the Application.

3. Restriction to one of the following inventions is required under 35 U.S.C. 121:

I/ Group I. Claims 1-6, drawn to a ferroelectric material semiconductor device, classified in class 257, subclass 295.

II/ Group II. Claims 14-16 drawn to a ferroelectric capacitor, a ferroelectric memory and a piezoelectric devices classified in class 361/ subclass 321, class 365 subclass 181 and class 428/ subclass 432.

In the case Applicant elected Group II, these are further required to be restricted under 35 U.S.C. 121 for species requirement:

A/ Species A: claim 14 as best as it can be understood is described in claim 14 with all the technical features as recited in claim 14.

B/ **Species B**: claim 15 as best as it can be understood is described in claim 15 with all the technical features as recited in claim 15.

C/Species C: claim 16 as best as it can be understood is described in claim 16 with all the technical features as recited in claim 16.

5. The inventions are distinct, each from the other because of the following reasons:

Inventions of group II and group I are related as combination and subcombination.

Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that

the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the Capacitor can be patentable with a novel electrode. The subcombination has separate utility such as: the claimed ferroelectric material can be used in other applications such as gate dielectric for semiconductor transistor devices.

- 6. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, the fields of search are not coexistent. Therefore, separate examinations would be required and restriction for examination purposes as indicated is proper.
- 7. Applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- 8. for Species restriction requirement, applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

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Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

- 9. Applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- 10. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a diligently filed petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(h).

CONCLUSION

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thinh T Nguyen whose telephone number is 571-272-1790. The examiner can normally be reached on 9.30 AM 6.30 PM Monday through Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DAVID NELMS can be reached on (571) 272-1787. The fax phone numbers for the organization where this application or proceeding is assigned are 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval [PAIR] system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thinh T Nguyen

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